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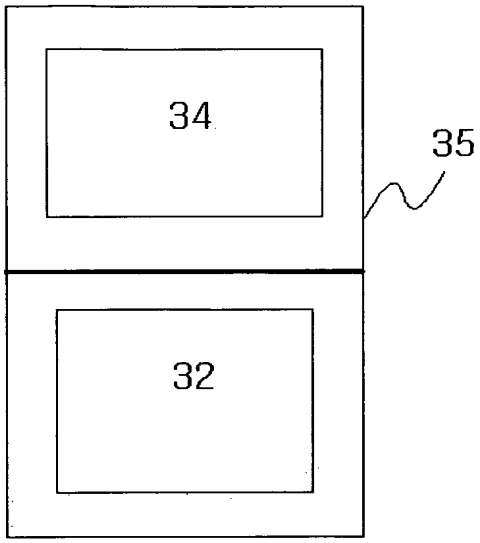
(54) Title: DYNAMIC-VERIFICATION-BASED VERIFICATION APPARATUS ACHIEVING HIGH VERIFICATION PERFORMANCE AND VERIFICATION EFFICENCY AND THE VERIFICATION METHODOLOGY USING THE SAME



(57) Abstract: The present invention relates to a simulation-based verification apparatus and a verification method, which enhance the simulation performance and efficiency greatly, for verifying a digital system containing at least million gates. Also, the present invention relates to a simulation-based verification apparatus and a verification method used together with formal verification, simulation acceleration, hardware emulation, and prototyping to achieve the high verification performance and efficiency for verifying a digital system containing at least million gates.

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